

BRONZE PROPORTIONAL SAFETY VALVE THREADED HEROSE 06505 Material brass CW614N B 249 UNS C38500
Pressure PN 25

TECHNICAL DESCRIPTION

It is used as a safety device in case of excessive pressure increase in portable gas cylinders and pressure vessels. Suitable for liquids, granulates and powdery materials.

PRINCIPLE OF OPERATION

Automatic safety valve that opens proportionally to pressure rise. The constant force between the pressure force and the reaction of the closing spring ensures minimal flow, respectively minimal fluid loss when the valve is actuated.

WORKING FLUID / MEDIUM

Liquids, granules and powders

TECHNICAL DESCRIPTION

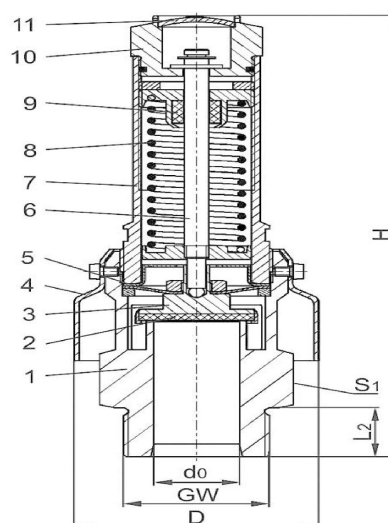
Standard safety valve with FPM seat seal, closed bonnet with relief windows and positive opening device. Male thread type G (BSPP) according to ISO 228/1

OPTIONS

Possible options upon request:

- nickel plating on the external parts

Dimensions: DN 1" - 2"



No.	DETAILS	MATERIALS
1	Body	CW617N B283 UNS C37700
2	Saddle seal	FPM (Viton - GLT)
3	Valve	CW614N B455 UNS C38500
4	Protective cap	1.4301 A240 Grade 304
5	Diaphragm	silicone
6	Spindle	CW614N B249 UNS C38500
7	Lid	CW614N B249 UNS C38500
8	Spring	1.4571 / A313 Grade 316 Ti
9	Spindle guide	Teflon/PTFE
10	Lifting device	CW614N B455 UNS C38500
11	Cap	CW507L / ASTM - B 36 UNS C26800

SPECIFICATION	
Lid connection	threaded
Execution	angular
Joining	thread
Management	automatically
Operating temperature	-40°C / -40°F (233K) to +200°C / +392°F (473K)

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DN	Hole	Size code	Setting range			Diameter of the protective cap	Key	Weight, kg	Permeability coefficient at 3 Bar	Permeability coefficient at 3.5 Bar	Permeability coefficient at 4.5 Bar
GW	d ₀	.X.	Bar	H	L ₂		S ₁	kg	a _{vv}	a _{vv}	a _{vv}
1"	24	1000	0.5-0.6	194	18	80	55	1.75	0.62		0.57
1 1/4"	28	2812	0.5-4.5	198	22	80	55	1.85	0.58		
1 1/2"	28	2814	0.5-4.5	198	22	80	55	1.9	0.58		
1 1/4"	31	3112	0.5-0.6	191	22	80	55	2	0.68	0.65	
1 1/2"	31	3114	0.5-0.6	191	22	80	55	2.3	0.68	0.65	
2"	48	2000	0.5-3.5	232	25	115	85	4.5	0.52		